

Title (en)

RIPPLED MIXERS FOR UNIFORMITY AND COLOR MIXING

Title (de)

WELLIGE MISCHER FÜR GLEICHFÖRMIGKEIT- UND FARBMISCHUNG

Title (fr)

MELANGEURS ONDULES DESTINES A L'UNIFORMITE ET AU MELANGE DE COULEURS

Publication

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Application

EP 06788704 A 20060727

Priority

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- US 44267306 A 20060526
- US 70380805 P 20050729

Abstract (en)

[origin: US2007024971A1] Various embodiments described herein comprise mixers comprising a light pipe having input and output ends and a central region therebetween. An optical path extends in a longitudinal direction from the input end through the central region to the output end. The central region of the light pipe comprises one or more rippled reflective sidewalls having a plurality of elongate ridges and valleys and sloping surfaces therebetween. Light from the input end propagating along the optical path reflects from the sloping surfaces and is redirected at a different azimuthal direction toward the output end thereby mixing the light at the output end. Illuminance and/or color mixing can therefore be provided.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [Y] US 4551628 A 19851105 - GROSSMAN JACK J [US]
- [Y] WO 03071321 A1 20030828 - LUMILEDS LIGHTING NETHERLANDS [NL], et al
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Citation (examination)

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